

**In the Specification**

Please amend the first paragraph at page 3 as follows:

2a

The EP 0254 803 shows a process for the production of an aqueous, pure N-methylmorpholine-N-oxide-solution by reaction of Methylmorpholine with an aqueous Hydrogen peroxide, in which mixtures of Methylmorpholine and water were distillated ~~destillated~~, the azeotrope ~~aeetrop~~ of Methylmorpholine and Water at temperatures from 60°C to 100°C was reacted with an aqueous Hydrogenperoxide-solution and the reaction solution is afterwards concentrated to the desired N-Methylmorpholine-N-oxide content. The concentration of the so obtained endproduct can be monitored through measurement of the refractive index or density, in which the endproduct is slightly yellow coloured and as unpurities, nearly undetectable amounts of peroxide, Methylmorpholine and carboxylic groups be present.